

[20th April 1960]

APPENDIX III.

[Vide answer to starred question No. 761 asked by Sri A. Veda rathnam and Sri V. K. Kothandaraman at the meeting of the Legislative Assembly held on 20th April 1960, page 351 supra]

The strains evolved during the past five years at the Agricultural College and Research Institute, Coimbatore, and the Research Stations in the State and the respective Research Stations where they have been evolved and the characteristic features of the strains are given below.

Name of crop.	Number of strains released and station from which evolved.	Characteristic features of the strains.
(1)	(2)	(3)
1. Paddy ASD. 11	1 Rice Research Station, Amba samudram.	It has a duration of 150 days. It is a hybrid strain isolated from a cross between GEB. 24 (Kiehl Samba) and PTB. 15 (Kavunginpothala of Malabar). It combines fine white rice, medium duration and high productivity and adaptability to late planting till November. It can be grown in all places where CO. 2 and A.D. 5 are grown. Long and drooping long and fine. Straw coloured white. (Average yield 3,000 lb. of paddy per acre)
2. Millets — Cholan TPT. 2.	5 Regional Station, Thirupattur.	An improved strain of Talavirichan cholam suited for Salem and North Arcot districts. Grown rainfed. The strain has a duration of 140 days. It has an open panicle with chalky grains. Yields 10 per cent higher than local (Average yield 900 lb. per acre.)
Cholan K3. ..	Agricultural research station, Koilpatti.	An improved strain of rainfed cholam suited for the Southern districts of the State. It has a duration of 120 days. Grown rainfed. The strain gives about 600 lb. of grain and 4,000 lb. straw per acre. 100 per cent increase in grain yield. It is a grain cum fodder strain.
Cumbu X 3. ..	Agricultural College and Research Institute, Coimbatore.	Hybrid X 3 has a duration of 80 days in much appreciated for its earliness, easy threshability and higher yield. It has recorded 40 per cent increase in yield over local. (Average yield 2,000 lb. of grain per acre.)

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Name of crop.	Number of strains released and station from which evolved.	Characteristic features of the strains.
(1)	(2)	(3)
Samai Co. 1 ..	Agricultural College and Research Institute, Coim- batore-3.	The strain is suited for grow- ing under rainfed conditions throughout the entire State. It yields about 15 per cent more than local (Average yield 7000 lb. grain per acre).
Ragi K2 ..	Do.	Non-lodging and blast resistant strain of Ragi with 130 days duration. Gives about 20 per cent increased yield over local. Suited to southern districts and for the Mettupalayam and Avanashi area of Coimbatore District. (Average yield—2,500 lb. of grain per acre).
3. Pulses—		
Horsegram Co. 1	1	Do.
		A Plastic and cosmopolitan strain suited for the entire State. Yields 20 to 25 per cent increase in yield over local. Average acre yield 400 lb. of grain per acre.
4. Oilseeds—		
Groundnut TMV. 5	1	Agricultural research Station, Tindi- vanam.
		Strain TMV. 5 is a bunch variety whose seeds do not sprout in the field even if harvest is delayed and rains intervene. Average acre yield 800 lb. of pods per acre.
5. Cotton Karunganni 6	3	Agricultural Re- search Station, Koilpatti
		An inter racial hybrid deri- vative. A cosmopolitan strain suitable to the entire black soil area of Madras State including K5. area. This will replace both K2 and K5.
Cambodia MCU. 3 ..	Agricultural Re- search Institute, Coimbatore.	A derivative from an inter species multiple hybrid of Cambodia 2, Moco, Sea Is- land, S.G.U. 4 and A12 and Russian hirsutums Tolerant to stem weevil and suitable for the irrigated and unir- rigated areas of Madras State. Will replace MCU 1.
Cambodia MCU. 2 ..	Agricultural Re- search station, Sri viliputtur.	A multiple inter-species hybrid derivative of Co. 2 G A. 12, U4 and Sea Island. A fine cotton having the longest staple among Indian types shorter in duration than MCU. 1 and hence suitable to the irrigated summer Cam- bodia of the tank fed paddy lands of Ramenathapuram tirunelveli and parts of Madurai.